



SMALL ARMS GUNFIRE FLASH-NOISE SIMULATOR, DEVICE 3F63C

TRAINING CATEGORY:

ARMAMENT (Small Arms)

ORIGINATING AGENCY:

MARCORPS

SECURITY CLASSIFICATION OF DEVICE:

Device 3F63C is unclassified.

INTENDED USE:

To provide simulated small-arms gunfire (rifle or machinegun noise) for infantry training, thus adding realism to day or night maneuvers, and conditioning trainees to the sound of operational small caliber weapons.

FUNCTIONAL DESCRIPTION:

Device 3F63C consists of a gun simulator, a gas supply, and an AC to DC converter. Outwardly, the device resembles a real machinegun. The simulator may be fired locally or remotely. It fires single shots or bursts using a metered amount of oxygen and propane that is ignited inside the barrel by a spark plug.

An instructor may fire the device remotely while observing results. This allows more controlled training and greater safety than real weapons.

A number of these devices may be operated simultaneously by one operator. This can be accomplished by locating remote trigger switches for all related devices at a common location.

DIRECTORY OF NAVAL TRAINING DEVICES

One maintenance man can normally service up to ten devices, depending on local conditions.

PHYSICAL INFORMATION:

Number of pieces: Three
Size: Gun Simulator 51x19x46 in.
Gas Supply 13x12x22 in.
Converter 8 x 7 in.
Weight: Gun Simulator 36 lbs.
Gas Supply 138 lbs.
Converter 6 lbs

ENVIRONMENTAL CHARACTERISTICS:

The simulator is not waterproof and should not be submersed in water. Upon completion of the training exercise, simulator should be removed to a storage area, or protected.

EQUIPMENT REQUIRED (NOT SUPPLIED):

(1) AC power cable with trigger assembly; (1) charge of propane for propane cylinder; (1) charge of oxygen for oxygen cylinder; (1) oxygen-acetylene 6-way wrench; (1) Spark-plug wrench; (1) Philip head screwdriver.

INSTALLATION AREA:

Gun Simulator: 52" x 46"
Gas Supply: 13" x 12" x 22"
Converter: 8" x 7"

The Gun Simulator and Gas Supply are interconnected by 8 foot hoses. The Gun Simulator and Converter are interconnected by a cable.

POWER REQUIREMENTS:

110/220VAC, 60 hz or 12VDC

PUBLICATIONS FURNISHED:

Maintenance Handbook with Parts List for Small Arms Gunfire Noise Simulator, NAVTRADEV P-3647.

PERSONNEL:

Instructor: One
Trainees: Unlimited
Operator: Instructor operated
Maintenance: One man can normally service 10 devices.

CONTRACT IDENTIFICATION:

Manufactured by Joannell Labs. Inc., LIVINGston, NJ under NAVTRAEQUIPCEN Contract No. N61339-76-C-0059.

NATIONAL STOCK NUMBER:

6920-01-043-3140